Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/18/2017 10:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124520	-1	1.54	124351	1.51
Blue	F	SSC	125000	124458	-1	2.97	124821	2.78
Blue	E	FITC	22946	22543	-2	2.33	1004	9.73
Blue	D	PE	28770	28078	-3	1.86	1009	9.29
Blue	B	PerCP-Cy5-5	51099	50235	-2	3.22	1440	16.01
Blue	A	PE-Cy7	42312	41707	-2	4.78	640	34.47
Red	C	APC	52169	51453	-2	2.82	2964	9.38
Red	A	APC-Cy7	56705	55973	-2	2.85	1156	11.18
Violet	B	V450	14708	14225	-4	4.65	682	9.12
Violet	A	V500	58608	57767	-2	4.45	2563	6.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19675	4.55	600	2	N/A	N/A	Pass
Blue	F	SSC	62018	1.57	531	13	N/A	N/A	Pass
Blue	E	FITC	113	37.93	536	5	0.0234	212	Pass
Blue	D	PE	221	27.36	531	5	0.1759	224	Pass
Blue	B	PerCP-Cy5-5	227	41.99	626	4	0.0114	84	Pass
Blue	A	PE-Cy7	71	112.57	674	3	0.0126	11	Pass
Red	C	APC	348	27.80	593	3	0.0209	107	Pass
Red	A	APC-Cy7	127	41.41	578	2	0.0057	1990	Pass
Violet	B	V450	82	40.85	465	6	0.0481	1788	Pass
Violet	A	V500	187	23.93	494	6	0.0159	1008	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.69	-31.05	0.84
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.75	13.27 - 19.91	N/A	N/A	31.18	31.71	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9791

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments